

Title (en)  
VISCOELASTIC CONDUCTIVE NANOMATERIAL-POLYMER NANOCOMPOSITES AND SENSING DEVICES COMPRISING THE COMPOSITE MATERIAL

Title (de)  
LEITFÄHIGE VISKOELASTISCHE NANOMATERIAL-POLYMER-NANOVERBUNDSTOFFE UND MESSVORRICHTUNGEN MIT DEM VERBUNDSTOFF

Title (fr)  
NANOCOMPOSITES DE POLYMÈRE-NANOMATÉRIAU CONDUCTEURS ET VISCOÉLASTIQUES ET DISPOSITIFS DE DÉTECTION COMPRENANT LE MATÉRIAU COMPOSITE

Publication  
**EP 3494170 A1 20190612 (EN)**

Application  
**EP 17758060 A 20170803**

Priority  
• EP 16182749 A 20160804  
• EP 2017069754 W 20170803

Abstract (en)  
[origin: EP3279247A1] A homogenous composite material with increased tensile strength comprising 2-dimensional nano-sheets exfoliated from a 3-dimensional layered material mixed in a liquid non-Newtonian viscoelastic material to produce the homogenous composite material; and a process for making the same.

IPC 8 full level  
**C08K 3/04** (2006.01)

CPC (source: EP US)  
**B82Y 30/00** (2013.01 - US); **C08K 3/04** (2013.01 - EP US); **C08L 83/04** (2013.01 - US); **H01B 1/04** (2013.01 - US); **H01B 1/12** (2013.01 - US); **B82Y 40/00** (2013.01 - US); **C08K 2201/001** (2013.01 - US); **C08K 2201/011** (2013.01 - EP US); **C08L 101/00** (2013.01 - US)

C-Set (source: EP US)  
**C08K 3/04 + C08L 101/00**

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Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
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**EP 16182749 A 20160804**; EP 17758060 A 20170803; EP 2017069754 W 20170803; US 201716323149 A 20170803